

STN Columbus

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 28 PATDPAFULL - New display fields provide for legal status
data from INPADOC
NEWS 4 FEB 28 BABS - Current-awareness alerts (SDIs) available
NEWS 5 MAR 02 GBFULL: New full-text patent database on STN
NEWS 6 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 22 KOREAPAT now updated monthly; patent information enhanced
NEWS 9 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 10 MAR 22 PATDPASPC - New patent database available
NEWS 11 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS 12 APR 04 EPFULL enhanced with additional patent information and new
fields
NEWS 13 APR 04 EMBASE - Database reloaded and enhanced
NEWS 14 APR 18 New CAS Information Use Policies available online
NEWS 15 APR 25 Patent searching, including current-awareness alerts (SDIs),
based on application date in CA/CAPLUS and USPATFULL/USPAT2
may be affected by a change in filing date for U.S.
applications.
NEWS 16 APR 28 Improved searching of U.S. Patent Classifications for
U.S. patent records in CA/CAPLUS
NEWS 17 MAY 23 GBFULL enhanced with patent drawing images
NEWS 18 MAY 23 REGISTRY has been enhanced with source information from
CHEMCATS
NEWS 19 JUN 06 STN Patent Forums to be held in June 2005
NEWS 20 JUN 06 The Analysis Edition of STN Express with Discover!
(Version 8.0 for Windows) now available
NEWS 21 JUN 13 RUSSIAPAT: New full-text patent database on STN
NEWS 22 JUN 13 FRFULL enhanced with patent drawing images
NEWS 23 JUN 20 MEDICONF to be removed from STN
NEWS 24 JUN 27 MARPAT displays enhanced with expanded G-group definitions
and text labels
NEWS 25 JUL 01 MEDICONF removed from STN
NEWS 26 JUL 07 STN Patent Forums to be held in July 2005

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

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FILE 'HOME' ENTERED AT 13:40:56 ON 08 JUL 2005

=> fil ca

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CA' ENTERED AT 13:41:18 ON 08 JUL 2005

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FILE COVERS 1907 - 7 Jul 2005 VOL 143 ISS 3

FILE LAST UPDATED: 7 Jul 2005 (20050707/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> e US-20040115549/pn

E1	1	US2004115547/PN
E2	1	US2004115548/PN
E3	1 -->	US2004115549/PN
E4	1	US2004115550/PN
E5	1	US2004115551/PN
E6	1	US2004115552/PN
E7	1	US2004115553/PN
E8	1	US2004115554/PN
E9	1	US2004115555/PN
E10	1	US2004115556/PN
E11	1	US2004115557/PN
E12	1	US2004115558/PN

=> s e3

L1 1 US2004115549/PN

=> sel rn

E1 THROUGH E7 ASSIGNED

=> fil reg; s e1-e7

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.31	2.52

FILE 'REGISTRY' ENTERED AT 13:41:40 ON 08 JUL 2005

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JUL 2005 HIGHEST RN 854122-82-0
DICTIONARY FILE UPDATES: 7 JUL 2005 HIGHEST RN 854122-82-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

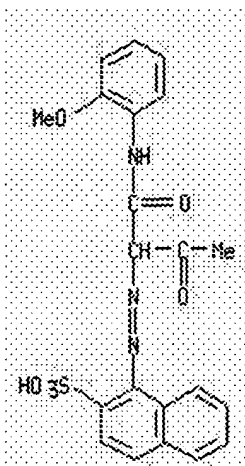
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
1 150083-23-1/BI
  (150083-23-1/RN)
1 25586-20-3/BI
  (25586-20-3/RN)
1 6358-31-2/BI
  (6358-31-2/RN)
1 679429-58-4/BI
  (679429-58-4/RN)
1 679429-59-5/BI
  (679429-59-5/RN)
1 679429-60-8/BI
  (679429-60-8/RN)
1 83372-58-1/BI
  (83372-58-1/RN)
L2 7 (150083-23-1/BI OR 25586-20-3/BI OR 6358-31-2/BI OR 679429-58-4/
    BI OR 679429-59-5/BI OR 679429-60-8/BI OR 83372-58-1/BI)
```

=> d scan

```
L2 7 ANSWERS  REGISTRY  COPYRIGHT 2005 ACS on STN
IN  2-Naphthalenesulfonic acid, 1-[[[1-[[[(2-methoxyphenyl)amino]carbonyl]-2-oxopropyl]azo]- (9CI)
MF  C21 H19 N3 O6 S
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

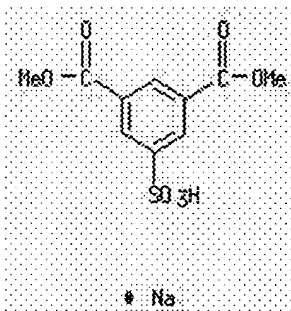
L2 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester, sodium salt,
polymer with 1,3-benzenedicarboxylic acid, 1,4-benzenedicarboxylic acid,
1,4-cyclohexanedicarboxylic acid and 1,2-ethanediol (9CI)

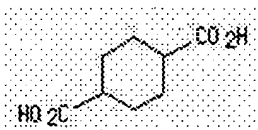
MF (C10 H10 O7 S . C8 H12 O4 . C8 H6 O4 . C8 H6 O4 . C2 H6 O2 . Na)x

CI PMS

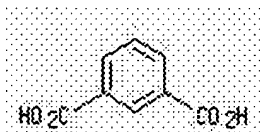
CM 1



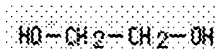
CM 2



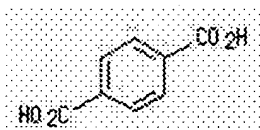
CM 3



CM 4



CM 5



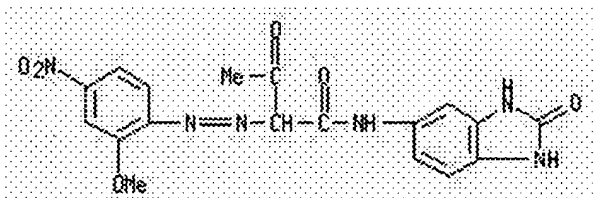
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L2 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Butanamide, N-(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)-2-[(2-methoxy-4-nitrophenyl)azo]-3-oxo- (9CI)

MF C18 H16 N6 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

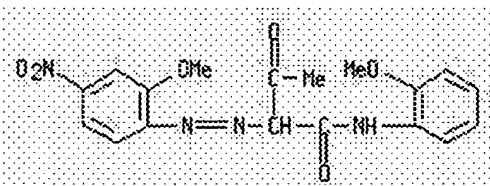
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L2 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Butanamide, 2-[(2-methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxo- (9CI)

MF C18 H18 N4 O6

CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

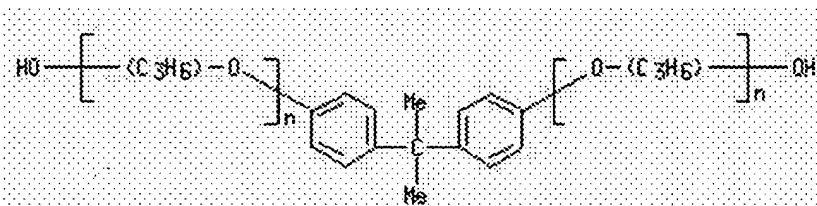
L2 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 1,2,4-Benzenetricarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, (2E)-2-butenedioic acid, butyl 2-propenoate, ethenylbenzene and α, α' -[(1-methylethylidene)di-4,1-phenylene]bis[ω -hydroxypoly[oxy(methyl-1,2-ethanediyl)]]], graft (9CI)

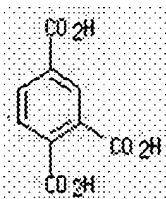
MF (C9 H6 O6 . C8 H8 . C8 H6 O4 . C7 H12 O2 . C4 H4 O4 . (C3 H6 O)n (C3 H6 O)n C15 H16 O2)x

CI PMS

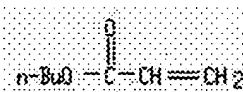
CM 1



CM 2

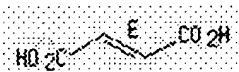


CM 3

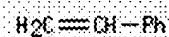


CM 4

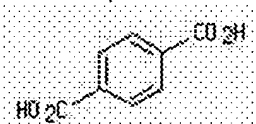
Double bond geometry as shown.



CM 5



CM 6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

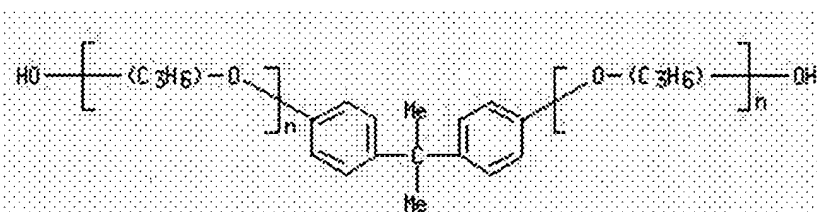
L2 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 1,2,4-Benzenetricarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, (2E)-2-butenedioic acid and α,α' -[(1-methylethylidene)di-4,1-phenylene]bis[ω -hydroxypoly[oxy(methyl-1,2-ethanediyl)]] (9CI)

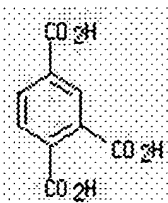
MF (C9 H6 O6 . C8 H6 O4 . C4 H4 O4 . (C3 H6 O)n (C3 H6 O)n C15 H16 O2)x

CI PMS

CM 1

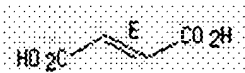


CM 2

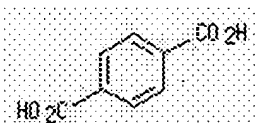


CM 3

Double bond geometry as shown.



CM 4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

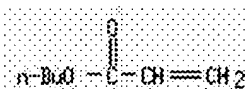
L2 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2-Propenoic acid, polymer with butyl 2-propenoate and ethenylbenzene (9CI)

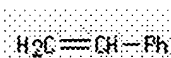
MF (C8 H8 . C7 H12 O2 . C3 H4 O2)x

CI PMS, COM

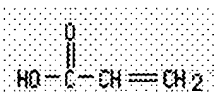
CM 1



CM 2



CM 3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> .

. IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d his

(FILE 'HOME' ENTERED AT 13:40:56 ON 08 JUL 2005)

FILE 'CA' ENTERED AT 13:41:18 ON 08 JUL 2005

E US-20040115549/PN

L1 1 S E3
SEL RN

FILE 'REGISTRY' ENTERED AT 13:41:40 ON 08 JUL 2005

L2 7 S E1-E7

=> s l2 not pms/ci

1071480 PMS/CI

L3 3 L2 NOT PMS/CI

=> fil ca; s l3 not l1

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.46	7.98

FULL ESTIMATED COST

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FILE COVERS 1907 - 7 Jul 2005 VOL 143 ISS 3

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520 L3
L4 519 L3 NOT L1

=> s toner# and l4
31798 TONER#
L5 92 TONER# AND L4

=> fil stnguide		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.23	10.21

FILE 'STNGUIDE' ENTERED AT 13:43:07 ON 08 JUL 2005
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jul 1, 2005 (20050701/UP).

=> fil ca; s l5 and (masterbatch or (master (w) batch) or presscake#)		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.18	10.39

FILE 'CA' ENTERED AT 13:44:54 ON 08 JUL 2005
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FILE COVERS 1907 - 7 Jul 2005 VOL 143 ISS 3
FILE LAST UPDATED: 7 Jul 2005 (20050707/ED)

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2728 MASTERBATCH
22001 MASTER
82737 BATCH
1504 MASTER (W) BATCH
280 PRESSCAKE#
L6 2 L5 AND (MASTERBATCH OR (MASTER (W) BATCH) OR PRESSCAKE#)

=> d bib 1-2

L6 ANSWER 1 OF 2 CA COPYRIGHT 2005 ACS on STN

STN Columbus

Full Text

AN 140:172135 CA
 TI Electrophotographic **toner** showing improved colorant dispersibility and its manufacture
 IN Ito, Takeshi
 PA Toshiba Tec Corporation, Japan
 SO Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004045617	A2	20040212	JP 2002-201299	20020710
PRAI	JP 2002-201299		20020710		

L6 ANSWER 2 OF 2 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 138:393049 CA
 TI Electrostatic image development negative charging **toner** showing stable performance and its manufacture
 IN Oda, Masazumi; Kondo, Shinsuke
 PA Kyocera Chemical Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003149859	A2	20030521	JP 2001-345489	20011112
PRAI	JP 2001-345489		20011112		

=> d kwic 2

L6 ANSWER 2 OF 2 CA COPYRIGHT 2005 ACS on STN

TI Electrostatic image development negative charging **toner** showing stable performance and its manufacture
 AB The invention relates to a neg.-charging **toner** suitable for a nonmagnetic single component development method, wherein the **toner** includes a polyester binder showing a wt. av. mol. wt. of 70,000, and a specified mol. wt. distribution, and an. . . propoxylated bisphenol A-fumaric acid copolymer or propoxylated bisphenol A-maleic acid copolymer, is mixed together with pigments to form a pigment-dispersed **master batch** and then the **master batch** is mixed and kneaded together with binders, etc. to form **toner** particles. The **toner** includes a metal salicylate compd., borate complex, or cyclic phenol oligomer as a charge control agent.
 ST electrostatic image development neg charging **toner** manuf polyester binder; electrophotog **toner** electrog nonmagnetic single component development
 IT Polyesters, preparation
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (binder in electrostatic latent image development neg. charging **toner** showing stable performance)
 IT Electrophotographic **toners**
 Electrophotographic **toners**
 (electrostatic latent image development neg. charging **toner** showing stable performance and its manuf.)
 IT 26062-93-1P, Ethylene glycol-propylene glycol-terephthalic acid copolymer

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39382-25-7P, Fumaric acid-propoxylated bisphenol A copolymer
 127756-61-0P, Diethylene glycol-ethylene glycol-isophthalic
 acid-propoxylated bisphenol A-terephthalic acid-trimellitic anhydride
 copolymer 528585-16-2P, Terephthalic acid-isophthalic acid-propoxylated
 bisphenol A-ethylene glycol-diethylene glycol-glycerin copolymer
 528585-17-3P, Terephthalic acid-isophthalic acid-ethoxylated bisphenol
 A-ethylene glycol-diethylene glycol-trimellitic anhydride copolymer
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material
 use); PREP (Preparation); USES (Uses)
 (binder in electrostatic latent image development neg. charging
 toner showing stable performance)
 IT 58501-25-0, Propoxylated bisphenol A-maleic acid copolymer
 RL: TEM (Technical or engineered material use); USES (Uses)
 (binder in electrostatic latent image development neg. charging
 toner showing stable performance)
 IT 42405-40-3, Bontron E84 68971-82-4, Bontron E89 114803-11-1, LR 147
 RL: TEM (Technical or engineered material use); USES (Uses)
 (charge control agent in electrostatic latent image development neg.
 charging toner showing stable performance)
 IT 147-14-8, C.I.Pigment Blue 15:3 980-26-7, C.I.Pigment Red 122
 4531-49-1, C.I.Pigment Yellow 17 5280-68-2, C.I.Pigment Red 146
 5281-04-9, C.I.Pigment Red 57:1 6358-31-2, C.I.Pigment Yellow 74
 77804-81-0, C.I.Pigment Yellow 180 140114-63-2, C.I.Pigment Red 238
 RL: TEM (Technical or engineered material use); USES (Uses)
 (pigment in electrostatic latent image development neg. charging
 toner showing stable performance)

=> d his

(FILE 'HOME' ENTERED AT 13:40:56 ON 08 JUL 2005)

FILE 'CA' ENTERED AT 13:41:18 ON 08 JUL 2005

E US-20040115549/PN

L1 1 S E3
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:41:40 ON 08 JUL 2005

L2 7 S E1-E7
 L3 3 S L2 NOT PMS/CI

FILE 'CA' ENTERED AT 13:42:34 ON 08 JUL 2005

L4 519 S L3 NOT L1
 L5 92 S TONER# AND L4

FILE 'STNGUIDE' ENTERED AT 13:43:07 ON 08 JUL 2005

FILE 'CA' ENTERED AT 13:44:54 ON 08 JUL 2005

L6 2 S L5 AND (MASTERBATCH OR (MASTER (W) BATCH) OR PRESSCAKE#)

=> s 15 and wax##

103681 WAX##

L7 22 L5 AND WAX##

=> d bib 1-22; fil stnguide

L7 ANSWER 1 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 142:419991 CA

TI Yellow toners for electrophotography

IN Tosaka, Emi; Ono, Manabu; Katsuta, Yasushi

PA Canon Inc., Japan

STN Columbus

SO Jpn. Kokai Tokkyo Koho, 24 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005115013	A2	20050428	JP 2003-348967	20031008
PRAI	JP 2003-348967		20031008		

L7 ANSWER 2 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 142:325873 CA

TI Yellow toners with excellent color reproducibility, transparency, light resistance, and charging properties and electrophotographic apparatus and process cartridges using them for forming full-color images with no defects

IN Ishii, Atsushi; Matsunaga, Satoshi; Kaya, Takaaki

PA Canon Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 29 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005077582	A2	20050324	JP 2003-306156	20030829
PRAI	JP 2003-306156		20030829		

L7 ANSWER 3 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 142:186504 CA

TI Toner, process for producing toner, two-component developing agent and image forming apparatus

IN Yuasa, Yasuhito; Soga, Mamoru; Arase, Hidekazu

PA Matsushita Electric Industrial Co., Ltd., Japan

SO PCT Int. Appl., 98 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005013012	A1	20050210	WO 2004-JP10004	20040707
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	JP 2003-272284	A	20030709		
	JP 2003-390551	A	20031120		
	JP 2004-60944	A	20040304		

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 22 CA COPYRIGHT 2005 ACS on STN

STN Columbus

Full Text

AN 142:165492 CA
 TI Electrophotographic yellow toner using specific pigments and two component developer
 IN Hashimoto, Akira; Komatsu, Nozomu; Hayami, Kazuhiko; Iida, Yasushi; Ichikawa, Yasuhiro; Tanigawa, Hirohide
 PA Canon Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 35 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005031163	A2	20050203	JP 2003-193255	20030708
PRAI	JP 2003-193255		20030708		

L7 ANSWER 5 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 142:82240 CA
 TI Toner production processes
 IN Hopper, Michael A.; Patel, Raj D.
 PA Xerox Corporation, USA
 SO Eur. Pat. Appl., 17 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1491968	A1	20041229	EP 2004-12628	20040527
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
	CA 2471077	AA	20041225	CA 2004-2471077	20040616
	JP 2005018058	A2	20050120	JP 2004-180452	20040618
	BR 2004002420	A	20050524	BR 2004-2420	20040622
PRAI	US 2003-606298	A	20030625		

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 142:29962 CA
 TI Electrophotographic toner capable of forming high density image using a little amount of the toner, toner producing method, and image forming method
 IN Akazawa, Yoshiaki; Hayashi, Rika
 PA Sharp Kabushiki Kaisha, Japan
 SO PCT Int. Appl., 35 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004104710	A1	20041202	WO 2004-JP6842	20040520
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				

STN Columbus

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

JP 2004347774 A2 20041209 JP 2003-143348 20030521
PRAI JP 2003-143348 A 20030521
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 141:358039 CA
TI Electrophotographic toner processes
IN Albright, Amy A.; Nguyen, Peter V.; Riley, Donald; Chen, Allan K.; Moore,
Emily L.; Ng, Tie Hwee; Cheng, Chieh-Min
PA Xerox Corporation, USA
SO U.S. Pat. Appl. Publ., 23 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004202952	A1	20041014	US 2003-413633	20030414
PRAI	US 2003-413633		20030414		

L7 ANSWER 8 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 141:358038 CA
TI Electrophotographic toner processes
IN Nguyen, Peter V.; Albright, Amy A.; Riley, Donald; Cheng, Chieh-Min
PA Xerox Corporation, USA
SO U.S. Pat. Appl. Publ., 24 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004202951	A1	20041014	US 2003-413603	20030414
	US 6841329	B2	20050111		
PRAI	US 2003-413603		20030414		

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 141:358037 CA
TI Electrophotographic toner processes
IN Ahuja, Suresh K.; Cheng, Chieh-min
PA Xerox Corporation., USA
SO U.S. Pat. Appl. Publ., 25 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004202950	A1	20041014	US 2003-413599	20030414
PRAI	US 2003-413599		20030414		

STN Columbus

L7 ANSWER 10 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 141:322531 CA
 TI Pigment dispersing agents with good dispersibility, compositions, toners, and production method of toners
 IN Itabashi, Hitoshi; Fujimoto, Norikazu
 PA Canon Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004277626	A2	20041007	JP 2003-73176	20030318
PRAI	JP 2003-73176		20030318		

L7 ANSWER 11 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 140:414896 CA
 TI Manufacture of colored particle for electrostatographic toner
 IN Shibai, Yasuhiro; Adachi, Katsumi; Nakano, Shinichi
 PA Sharp Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004144778	A2	20040520	JP 2002-306143	20021021
PRAI	JP 2002-306143		20021021		

L7 ANSWER 12 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 139:283336 CA
 TI Positive-charging electrophotographic green toner showing stable charging properties
 IN Oba, Katsunori; Ogura, Katsuyuki
 PA Dainippon Ink and Chemicals, Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 17 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003280275	A2	20031002	JP 2002-83053	20020325
PRAI	JP 2002-83053		20020325		
OS	MARPAT 139:283336				

L7 ANSWER 13 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 137:13203 CA
 TI Drop-out printed material for optical character reader formed by electrophotographic orange toner
 IN Oba, Katsunori; Furukawara, Toshiro; Amagai, Shinji
 PA Dainippon Ink and Chemicals, Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese

STN Columbus

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002156794	A2	20020531	JP 2000-354156	20001121
PRAI	JP 2000-354156		20001121		
OS	MARPAT 137:13203				

L7 ANSWER 14 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 137:13202 CA
 TI Electrophotographic orange toner
 IN Oba, Katsunori; Furukawara, Toshiro; Amagai, Shinji
 PA Dainippon Ink and Chemicals, Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002156776	A2	20020531	JP 2000-354157	20001121
PRAI	JP 2000-354157		20001121		
OS	MARPAT 137:13202				

L7 ANSWER 15 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 135:364491 CA
 TI Electrophotographic image formation method by high-speed and low-temperature fixing, and apparatus for it
 IN Ishikawa, Tomoko
 PA Mitsubishi Chemical Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 22 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001318477	A2	20011116	JP 2000-139956	20000512
PRAI	JP 2000-139956		20000512		

L7 ANSWER 16 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 135:325221 CA
 TI Electrophotographic cartridge image-forming method and image-forming apparatus
 IN Ishikawa, Tomoko; Ando, Osamu; Nozomi, Mamoru; Fujii, Akiteru
 PA Mitsubishi Chemical Corporation, Japan
 SO Eur. Pat. Appl., 53 pp.
 CODEN: EPXXDW
 DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1146397	A1	20011017	EP 2001-109051	20010411
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 2002025184	A1	20020228	US 2001-829930	20010411
PRAI	JP 2000-110420	A	20000412		

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

STN Columbus

L7 ANSWER 17 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 135:172972 CA

TI Electrophotographic yellow toner, its manufacture, developer, and image formation

IN Shoji, Takeshi; Sato, Shuji; Ishiyama, Takao; Serizawa, Manabu; Suwabe, Masaaki; Matsumura, Yasuo

PA Fuji Xerox Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001228653	A2	20010824	JP 2000-42329	20000221
	JP 3633417	B2	20050330		
	US 2001023048	A1	20010920	US 2001-776905	20010206
	US 6440627	B2	20020827		
PRAI	JP 2000-42329	A	20000221		

L7 ANSWER 18 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 135:12075 CA

TI Method for electrostatic formation of full-color images with black and color toners

IN Unno, Mikio; Takehara, Ryuji; Owada, Takeshi; Senoguchi, Terunori; Sugihara, Masakazu

PA Mitsubishi Chemical Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001147555	A2	20010529	JP 1999-329343	19991119
PRAI	JP 1999-254116	A	19990908		
OS	MARPAT 135:12075				

L7 ANSWER 19 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 135:12074 CA

TI Method for electrostatic formation of full-color images using both black and color toners

IN Umino, Mikio; Takehara, Takatsugu; Owada, Takeshi; Senoguchi, Terunori; Sugihara, Masakazu

PA Mitsubishi Chemical Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001147554	A2	20010529	JP 1999-329342	19991119
	JP 3666323	B2	20050629		
PRAI	JP 1999-254115	A	19990908		
OS	MARPAT 135:12074				

L7 ANSWER 20 OF 22 CA COPYRIGHT 2005 ACS on STN

STN Columbus

Full Text

AN 107:144867 CA
 TI Liquid developer for color electrostatography
 IN Fukase, Toshuki; Emoto, Shigeru; Sugyama, Yoshihiro; Takanashi, Hajime;
 Matsuyama, Akihiko; Nonogaki, Tomoko; Tsubushi, Kazuo; Kuramoto, Shinichi;
 Mori, Kayoko
 PA Ricoh Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 62050770	A2	19870305	JP 1985-191509	19850829
PRAI	JP 1985-191509		19850829		

L7 ANSWER 21 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 105:181499 CA
 TI Toner material for development of charge images
 IN Landa, Benzion; Ben-Auraham, Peretz; Hall, Joseph; Gibson, George A.
 PA Savin Corp., USA
 SO Ger. Offen., 65 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 3543302	A1	19860612	DE 1985-3543302	19851207
	DE 3543302	C2	19991104		
	GB 2169416	A1	19860709	GB 1985-30131	19851206
	GB 2169416	B2	19890111		
	FR 2574571	A1	19860613	FR 1985-18194	19851209
	FR 2574571	B1	19900824		
	CA 1264592	A1	19900123	CA 1985-497172	19851209
	CN 85109588	A	19860723	CN 1985-109588	19851210
	CN 1014001	B	19910918		
	JP 61180248	A2	19860812	JP 1985-276147	19851210
	JP 05087825	B4	19931220		
	CH 673342	A	19900228	CH 1985-5273	19851210
	GB 2176904	A1	19870107	GB 1986-18396	19860729
	GB 2176904	B2	19890111		
	US 5047307	A	19910910	US 1989-394141	19890816
	US 5192638	A	19930309	US 1991-756641	19910909
	US 5407771	A	19950418	US 1993-5703	19930119
	US 5554476	A	19960910	US 1995-399249	19950306
PRAI	US 1984-679906	A	19841210		
	GB 1985-30131	A3	19851206		
	US 1987-45168	B1	19870424		
	US 1988-157122	A3	19880210		
	US 1988-242242	B2	19880909		
	US 1988-287840	B1	19881221		
	US 1989-394141	A3	19890816		
	US 1991-756641	A1	19910909		
	US 1993-5703	A1	19930119		

L7 ANSWER 22 OF 22 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 82:24384 CA
 TI Dye composition of pre-estimable reflection thickness

STN Columbus

IN Gray, Russell Houston
 PA du Pont de Nemours, E. I., and Co.
 SO Ger. Offen., 28 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 2315394	A1	19740404	DE 1973-2315394	19730328
	DE 2315394	B2	19750605		
	DE 2315394	C3	19760122		
	US 3909282	A	19750930	US 1973-341251	19730314
	ZA 7302094	A	19740227	ZA 1973-2094	19730327
	BE 797448	A1	19730928	BE 1973-129368	19730328
	FR 2197949	A1	19740329	FR 1973-11136	19730328
	NL 7304366	A	19740305	NL 1973-4366	19730329
	NL 166555	B	19810316		
	NL 166555	C	19810817		
	JP 49066721	A2	19740628	JP 1973-35134	19730329
	JP 55024460	B4	19800628		
	IT 987051	A	19750220	IT 1973-22342	19730329
	GB 1387791	A	19750319	GB 1973-15186	19730329
	CA 995047	A1	19760817	CA 1973-168995	19730413
PRAI	US 1972-285617	A	19720901		
	US 1973-341251	A	19730314		

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	37.69	48.08
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.68	-0.68

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FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Jul 1, 2005 (20050701/UP).

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STN Columbus

IN Gray, Russell Houston
 PA du Pont de Nemours, E. I., and Co.
 SO Ger. Offen., 28 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	DE 2315394	A1	19740404	DE 1973-2315394	19730328
	DE 2315394	B2	19750605		
	DE 2315394	C3	19760122		
	US 3909282	A	19750930	US 1973-341251	19730314
	ZA 7302094	A	19740227	ZA 1973-2094	19730327
	BE 797448	A1	19730928	BE 1973-129368	19730328
	FR 2197949	A1	19740329	FR 1973-11136	19730328
	NL 7304366	A	19740305	NL 1973-4366	19730329
	NL 166555	B	19810316		
	NL 166555	C	19810817		
	JP 49066721	A2	19740628	JP 1973-35134	19730329
	JP 55024460	B4	19800628		
	IT 987051	A	19750220	IT 1973-22342	19730329
	GB 1387791	A	19750319	GB 1973-15186	19730329
	CA 995047	A1	19760817	CA 1973-168995	19730413
PRAI	US 1972-285617	A	19720901		
	US 1973-341251	A	19730314		

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	37.69	48.08
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.68	-0.68

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FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Jul 1, 2005 (20050701/UP).

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.12	48.20
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 13:48:18 ON 08 JUL 2005

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'STNGUIDE' AT 14:03:59 ON 08 JUL 2005
 FILE 'STNGUIDE' ENTERED AT 14:03:59 ON 08 JUL 2005
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STN Columbus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.12	48.20

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

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(FILE 'HOME' ENTERED AT 13:40:56 ON 08 JUL 2005)

FILE 'CA' ENTERED AT 13:41:18 ON 08 JUL 2005

E US-20040115549/PN

L1 1 S E3
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:41:40 ON 08 JUL 2005

L2 7 S E1-E7
L3 3 S L2 NOT PMS/CI

FILE 'CA' ENTERED AT 13:42:34 ON 08 JUL 2005

L4 519 S L3 NOT L1
L5 92 S TONER# AND L4

FILE 'STNGUIDE' ENTERED AT 13:43:07 ON 08 JUL 2005

FILE 'CA' ENTERED AT 13:44:54 ON 08 JUL 2005

L6 2 S L5 AND (MASTERBATCH OR (MASTER (W) BATCH) OR PRESSCAKE#)
L7 22 S L5 AND WAX##

FILE 'STNGUIDE' ENTERED AT 13:47:17 ON 08 JUL 2005

=> fil ca; d l6 2 hitstr

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.18	48.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

FILE 'CA' ENTERED AT 14:04:35 ON 08 JUL 2005

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FILE COVERS 1907 - 7 Jul 2005 VOL 143 ISS 3
FILE LAST UPDATED: 7 Jul 2005 (20050707/ED)

STN Columbus

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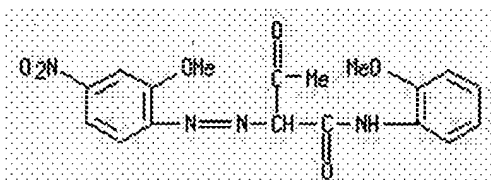
L6 ANSWER 2 OF 2 CA COPYRIGHT 2005 ACS on STN

IT 6358-31-2, C.I. Pigment Yellow 74

RL: TEM (Technical or engineered material use); USES (Uses)
(pigment in electrostatic latent image development neg. charging
toner showing stable performance)

RN 6358-31-2 CA

CN Butanamide, 2-[(2-methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxo-
(9CI) (CA INDEX NAME)



=> log h

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.62	50.88
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:04:47 ON 08 JUL 2005

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'CA' AT 14:30:54 ON 08 JUL 2005

FILE 'CA' ENTERED AT 14:30:54 ON 08 JUL 2005

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.62	50.88
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.62	50.88
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

STN Columbus

FILE 'REGISTRY' ENTERED AT 14:31:11 ON 08 JUL 2005
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STRUCTURE FILE UPDATES: 7 JUL 2005 HIGHEST RN 854122-82-0
DICTIONARY FILE UPDATES: 7 JUL 2005 HIGHEST RN 854122-82-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

L8 SCREEN CREATED

=>

L9 STRUCTURE UPLOADED

=>

L10 QUE L9 AND L8

=> s l10 sam

SAMPLE SEARCH INITIATED 14:31:48 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 273 TO ITERATE

100.0% PROCESSED 273 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 4469 TO 6451
PROJECTED ANSWERS: 3475 TO 5245

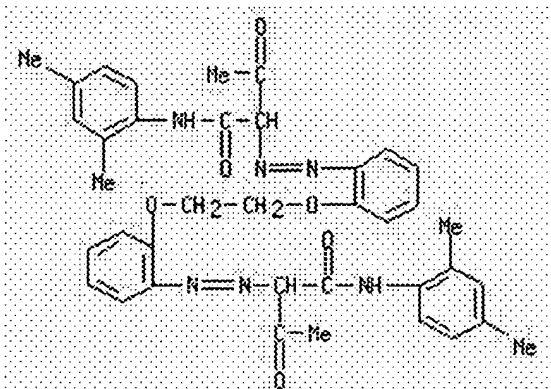
L11 50 SEA SSS SAM L9 AND L8

=> d scan

L11 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Butanamide, 2,2'-[1,2-ethanediylbis(oxy-2,1-phenyleneazo)]bis[N-(2,4-

STN Columbus

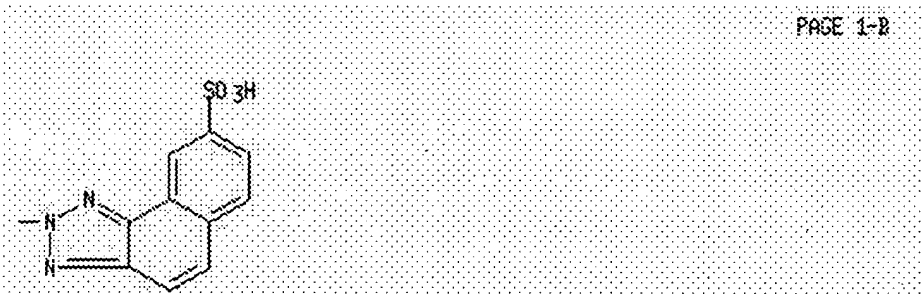
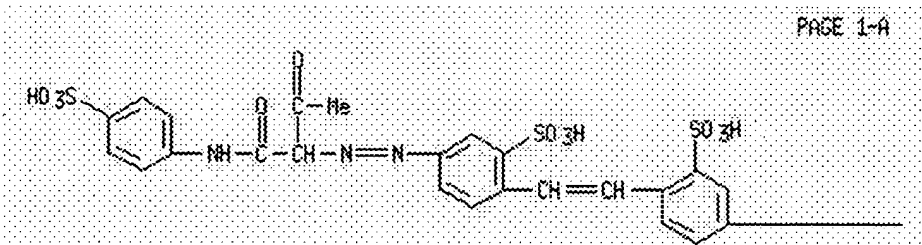
dimethylphenyl)-3-oxo- (9CI)
MF C38 H40 N6 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L11 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2H-Naphtho[1,2-d]triazole-8-sulfonic acid, 2-[4-[2-[4-[[2-oxo-1-[[4-sulfophenyl)amino]carbonyl]propyl]azo]-2-sulfophenyl]ethenyl]-3-sulfophenyl]- (9CI)
MF C34 H26 N6 O14 S4
CI COM

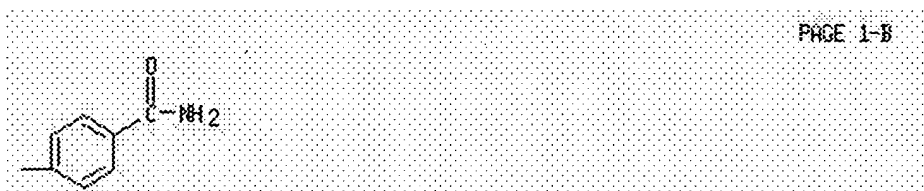
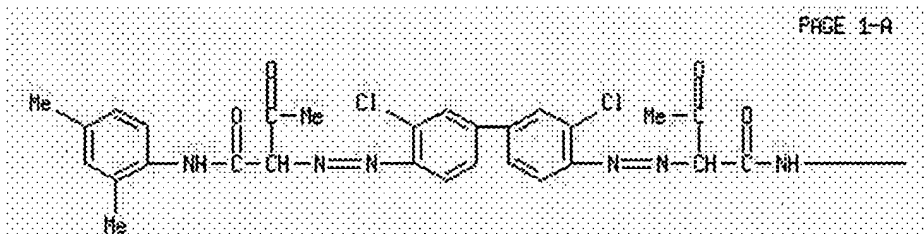


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

STN Columbus

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

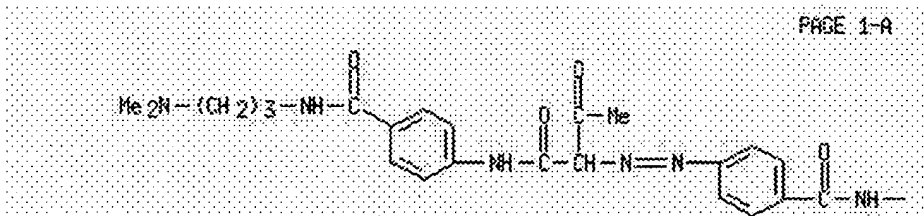
L11 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Benzamide, 4-[[2-[[3,3'-dichloro-4'-[[1-[[[(2,4-dimethylphenyl)amino]carbonyl]-2-oxopropyl]azo][1,1'-biphenyl]-4-yl]azo]-1,3-dioxobutyl]amino]- (9CI)
 MF C35 H31 Cl2 N7 O5



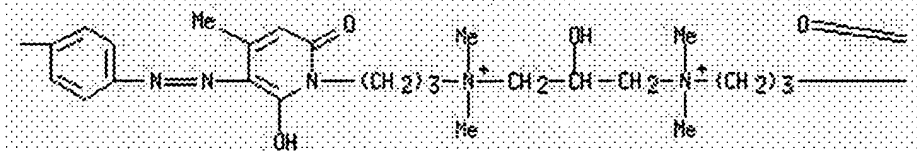
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

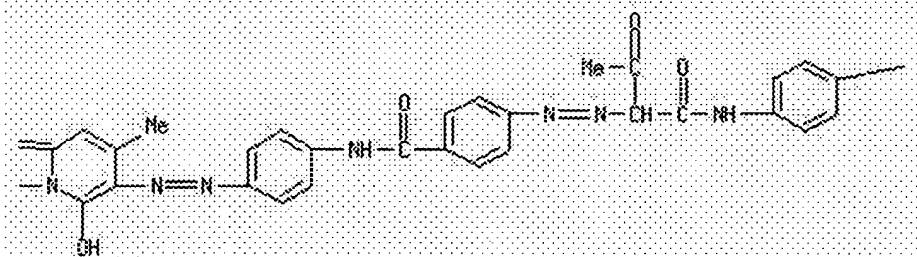
L11 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 1,3-Propanediaminium, N,N'-bis[3-[5-[4-[4-[1-[[4-[[[3-(dimethylamino)propyl]amino]carbonyl]phenyl]amino]carbonyl]-2-oxopropyl]azo]benzoyl]amino]phenyl]azo]-6-hydroxy-4-methyl-2-oxo-1(2H)-pyridinyl]propyl]-2-hydroxy-N,N,N',N'-tetramethyl- (9CI)
 MF C83 H102 N20 O13
 CI COM



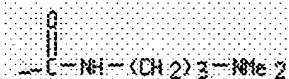
PAGE 1-B



PAGE 1-C



PAGE 1-D



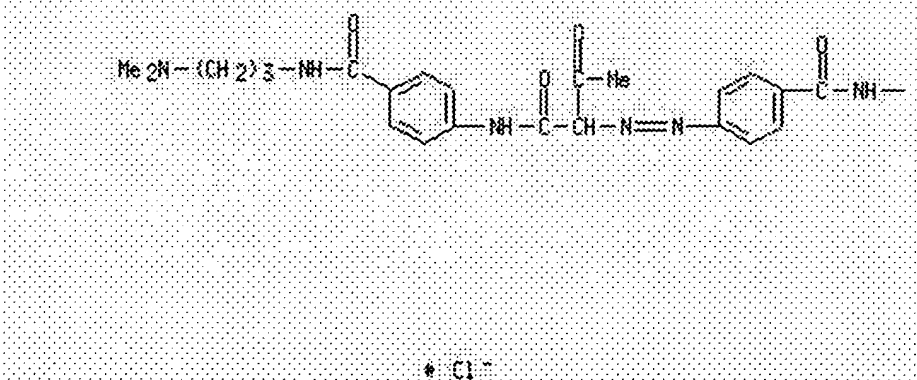
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L11 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

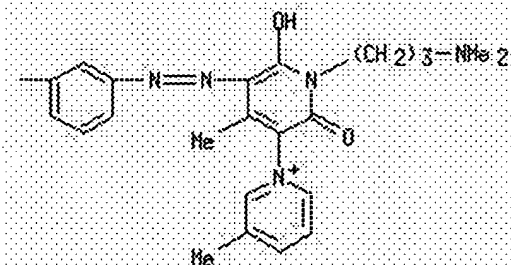
IN 1,3'-Bipyridinium, 1'-[3-(dimethylamino)propyl]-5'-[[3-[[4-[[1-[[4-[[3-(dimethylamino)propyl]amino]carbonyl]phenyl]amino]carbonyl]-2-oxopropyl]azo]benzoyl]amino]phenyl]azo]-1',2'-dihydro-6'-hydroxy-3,4'-dimethyl-2'-oxo-, chloride (9CI)

MF C46 H54 N11 O6 . Cl

PAGE 1-A



PAGE 1-B



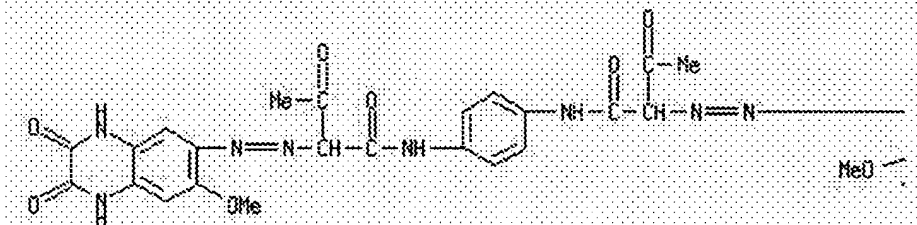
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L11 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

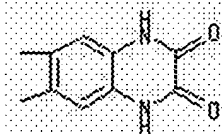
IN Butanamide, N,N'-1,4-phenylenebis[3-oxo-2-[(1,2,3,4-tetrahydro-7-methoxy-2,3-dioxo-6-quinoxaliny)azo]- (9CI)

MF C32 H28 N10 O10

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

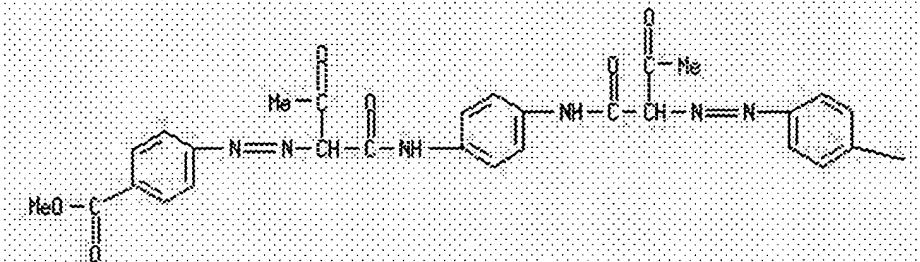
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L11 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

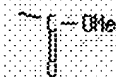
IN Benzoic acid, 4,4'-[1,4-phenylenebis[imino(1-acetyl-2-oxo-2,1-ethanediyl)azo]]bis-, dimethyl ester (9CI)

MF C30 H28 N6 O8

PAGE 1-A



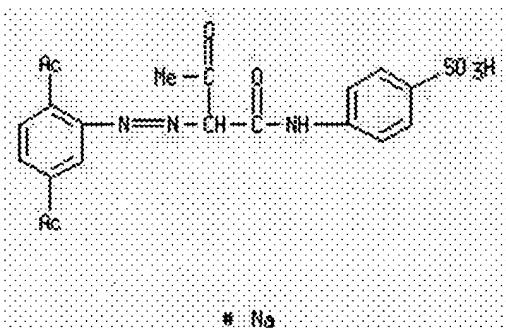
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L11 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Benzenesulfonic acid, 4-[[2-[(2,5-diacetylphenyl)azo]-1,3-dioxobutyl]amino]-, monosodium salt (9CI)
 MF C20 H19 N3 O7 S . Na



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1)end

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

1.29

52.17

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-0.68

STN Columbus

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:33:15 ON 08 JUL 2005

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 14:42:04 ON 08 JUL 2005
FILE 'REGISTRY' ENTERED AT 14:42:04 ON 08 JUL 2005
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	1.72	52.60

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

=> log h

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.58	53.46

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:43:10 ON 08 JUL 2005

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 14:45:49 ON 08 JUL 2005
FILE 'REGISTRY' ENTERED AT 14:45:49 ON 08 JUL 2005
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.58	53.46

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

=> e pigment yellow 17/cn

E1	1	PIGMENT YELLOW 168/CN
E2	1	PIGMENT YELLOW 169/CN
E3	1 -->	PIGMENT YELLOW 17/CN
E4	1	PIGMENT YELLOW 173/CN
E5	1	PIGMENT YELLOW 174/CN
E6	1	PIGMENT YELLOW 175/CN
E7	1	PIGMENT YELLOW 176/CN
E8	1	PIGMENT YELLOW 177/CN
E9	1	PIGMENT YELLOW 179/CN
E10	1	PIGMENT YELLOW 180/CN
E11	1	PIGMENT YELLOW 181/CN
E12	1	PIGMENT YELLOW 182/CN

=> s e3; d

L12 1 "PIGMENT YELLOW 17"/CN

L12 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 4531-49-1 REGISTRY

STN Columbus

ED Entered STN: 16 Nov 1984

CN Butanamide, 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2-methoxyphenyl)-3-oxo- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN C.I. Pigment Yellow 17 (7CI, 8CI)

OTHER NAMES:

CN 2,2'-[(3,3'-Dichloro-4,4'-biphenylene)bis(azo)]bis[o-acetoacetanilide]

CN Aquarine Yellow 3G

CN Benzidine Yellow 27964

CN Benzidine Yellow GG

CN Benzidine Yellow T 45-2460

CN Bis[acetyl-N-(o-methoxyphenyl)carbamoylmethyl]-4,4'-bis(azo)-3,3'-dichlorobiphenyl

CN Bis[acetyl-N-(o-methoxyphenyl)carbamoylmethyl]-4,4'-diazo-3,3'-dichlorobiphenyl

CN C.I. 21105

CN Diarylide Yellow X 2600

CN Disazo Yellow 8G

CN EB Yellow 2GN conc 7580

CN ECY 201

CN ECY 215

CN Eljon Fast Yellow 2G

CN Flexiverse Yellow 17

CN Helio Fast Yellow GGF

CN Helio Fast Yellow GGN

CN Isol Benzidine Fast Yellow GG

CN Isol Benzidine Fast Yellow GGF

CN KET Yellow 403

CN Lemon Metallic Yellow

CN Lightfast Benzidine Yellow Lemon 12220

CN Lionol Yellow FGN

CN Majestic Yellow LO-X 2882

CN Majestic Yellow X 2600

CN Microlith Yellow 2G-T

CN Monolite Yellow 2GL

CN Monolite Yellow 2GLA

CN Permanent Yellow GG

CN Permanent Yellow GG 02

CN Permanent Yellow GG Extra

CN Pigment Transparent Yellow K

CN **Pigment Yellow 17**

CN PV-Yellow GG

CN Recolite Fast Yellow B 2A

CN Segnale Light Yellow 2G

CN Seikafast Yellow 19

CN Seikafast Yellow 2400

CN Seikafast Yellow 2400B

CN Sumikaprint Fast Yellow GBFN

CN Sunbrite Yellow 17

CN Sunsperse Yellow YHD 9439

CN Symuler Fast Yellow 8GF

CN Symuler Fast Yellow 8GR

CN Symuler Fast Yellow 8GTF

CN Yellow 3G

CN Yellow Clear K

FS 3D CONCORD

DR 1264-06-8, 127546-10-5, 53802-40-7, 36437-78-2, 67894-49-9, 39362-41-9, 101027-30-9, 216865-15-5

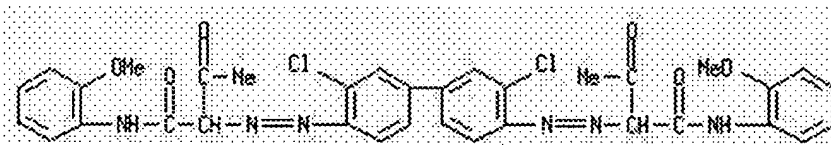
MF C34 H30 Cl2 N6 O6

CI COM

LC STN Files: BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, NIOSHTIC,

STN Columbus

PIRA, PROMT, SPECINFO, TOXCENTER, USPAT2, USPATFULL
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

491 REFERENCES IN FILE CA (1907 TO DATE)
 4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 492 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> fil stnguide

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	9.45	60.33
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

FILE 'STNGUIDE' ENTERED AT 14:46:26 ON 08 JUL 2005
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FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Jul 1, 2005 (20050701/UP).

=> fil reg; e pigment yellow 180/cn

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.12	60.45
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

FILE 'REGISTRY' ENTERED AT 14:47:28 ON 08 JUL 2005
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STRUCTURE FILE UPDATES: 7 JUL 2005 HIGHEST RN 854122-82-0
 DICTIONARY FILE UPDATES: 7 JUL 2005 HIGHEST RN 854122-82-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

STN Columbus

Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
E1      1      PIGMENT YELLOW 177/CN
E2      1      PIGMENT YELLOW 179/CN
E3      1  --> PIGMENT YELLOW 180/CN
E4      1      PIGMENT YELLOW 181/CN
E5      1      PIGMENT YELLOW 182/CN
E6      1      PIGMENT YELLOW 183/CN
E7      1      PIGMENT YELLOW 184/CN
E8      1      PIGMENT YELLOW 185/CN
E9      1      PIGMENT YELLOW 187/CN
E10     1      PIGMENT YELLOW 188/CN
E11     1      PIGMENT YELLOW 190/CN
E12     1      PIGMENT YELLOW 191/CN
```

=> s e3 d; fil stnguide

MISSING OPERATOR

COMMAND STACK INTERRUPTED. ENTER "DISPLAY HISTORY"
TO SEE WHICH COMMANDS WERE EXECUTED.

=> s e3; d; fil stnguide

L13 1 "PIGMENT YELLOW 180"/CN

L13 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 77804-81-0 REGISTRY

ED Entered STN: 16 Nov 1984

CN Butanamide, 2,2'-[1,2-ethanediylbis(oxy-2,1-phenyleneazo)]bis[N-(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)-3-oxo- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN C.I. 21290

CN C.I. Pigment Yellow 180

CN Diaplast Fast Yellow HG

CN Fast Yellow HG

CN Hostaperm Yellow HG

CN Liojet Yellow

CN Novoperm Yellow P-HG

CN Novoperm Yellow P-HGVP 2066

CN Pigment Yellow 180

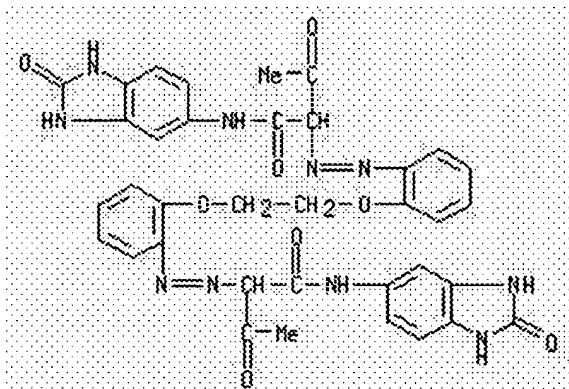
CN PV Fast Yellow HG

CN Toner Yellow HG

CN Toner Yellow HG-VP 2155

STN Columbus

CN Yellow HG-AF
 FS 3D CONCORD
 DR 790240-56-1, 85497-06-9, 244095-88-3, 324767-33-1
 MF C36 H32 N10 O8
 LC STN Files: BIOBUSINESS, CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN,
 MSDS-OHS, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

387 REFERENCES IN FILE CA (1907 TO DATE)
 14 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 387 REFERENCES IN FILE CAPLUS (1907 TO DATE)

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	6.87	67.32
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

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FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Jul 1, 2005 (20050701/UP).

=> fil reg; e pigment yellow 155/cn

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.12	67.44
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

STN Columbus

FILE 'REGISTRY' ENTERED AT 14:49:19 ON 08 JUL 2005
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STRUCTURE FILE UPDATES: 7 JUL 2005 HIGHEST RN 854122-82-0
DICTIONARY FILE UPDATES: 7 JUL 2005 HIGHEST RN 854122-82-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

E1	1	PIGMENT YELLOW 153/CN
E2	1	PIGMENT YELLOW 154/CN
E3	1 -->	PIGMENT YELLOW 155/CN
E4	1	PIGMENT YELLOW 157/CN
E5	1	PIGMENT YELLOW 158/CN
E6	1	PIGMENT YELLOW 159/CN
E7	1	PIGMENT YELLOW 16/CN
E8	1	PIGMENT YELLOW 160/CN
E9	1	PIGMENT YELLOW 161/CN
E10	1	PIGMENT YELLOW 163/CN
E11	1	PIGMENT YELLOW 164/CN
E12	1	PIGMENT YELLOW 167/CN

=> s e3; d; fil stnguide

L14 1 "PIGMENT YELLOW 155"/CN

L14 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 68516-73-4 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1,4-Benzenedicarboxylic acid, 2,2'-(1,4-phenylenebis(imino(1-acetyl-2-oxo-
2,1-ethanediyl)azo))bis-, tetramethyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

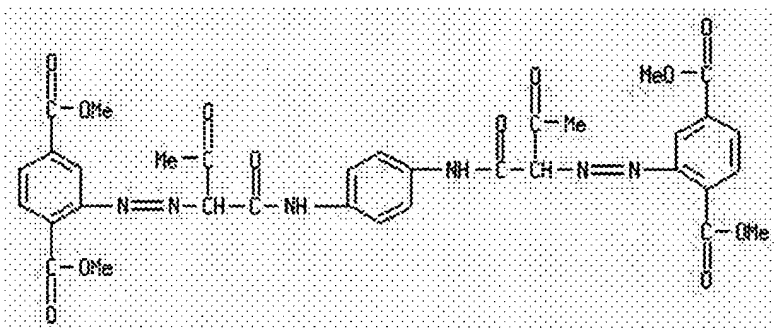
CN C.I. 200310

CN C.I. Pigment Yellow 155

CN Graphtol Fast Yellow 3GP

STN Columbus

CN Ink Jet Yellow 4G-VP2532
 CN Monolite Yellow 4G
 CN Novoperm Yellow 4G
 CN Novoperm Yellow 5GD
 CN Pigmatex Yellow 2GNA
 CN Pigment Yellow 155
 CN Sandorin Yellow 4G
 FS 3D CONCORD
 DR 77465-46-4
 MF C34 H32 N6 O12
 LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, CIN, PIRA, PROMT, TOXCENTER,
 USPAT2, USPATFULL
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

126 REFERENCES IN FILE CA (1907 TO DATE)
 126 REFERENCES IN FILE CAPLUS (1907 TO DATE)

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	6.87	74.31
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

FILE 'STNGUIDE' ENTERED AT 14:49:29 ON 08 JUL 2005
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FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Jul 1, 2005 (20050701/UP).

=> fil reg; e pigment yellow 97/cn

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.30	74.61
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL

STN Columbus

	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

FILE 'REGISTRY' ENTERED AT 14:52:28 ON 08 JUL 2005
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STRUCTURE FILE UPDATES: 7 JUL 2005 HIGHEST RN 854122-82-0
DICTIONARY FILE UPDATES: 7 JUL 2005 HIGHEST RN 854122-82-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

E1	1	PIGMENT YELLOW 94/CN
E2	1	PIGMENT YELLOW 95/CN
E3	1 -->	PIGMENT YELLOW 97/CN
E4	1	PIGMENT YELLOW 98/CN
E5	1	PIGMENT YELLOW A/CN
E6	1	PIGMENT YELLOW CIBA 2R/CN
E7	1	PIGMENT YELLOW D/CN
E8	1	PIGMENT YELLOW ECY 210/CN
E9	1	PIGMENT YELLOW G/CN
E10	1	PIGMENT YELLOW G 583/CN
E11	1	PIGMENT YELLOW GFL/CN
E12	1	PIGMENT YELLOW GGP/CN

=> s e3; d; fil stnguide
L15 1 "PIGMENT YELLOW 97"/CN

L15 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 12225-18-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN Butanamide, N-(4-chloro-2,5-dimethoxyphenyl)-2-[[2,5-dimethoxy-4-
[(phenylamino)sulfonyl]phenyl]azo]-3-oxo- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:

STN Columbus

CN C.I. Pigment Yellow 97 (8CI)

OTHER NAMES:

CN Colanyl Yellow FGL 30

CN Fast Yellow FGL

CN Novaperm Yellow FGL

CN Novoperm Yellow FGL

CN Permanent Yellow FGL

CN Pigment Yellow 97

FS 3D CONCORD

DR 477904-39-5, 90452-23-6, 29278-08-8, 117742-91-3

MF C26 H27 Cl N4 O8 S

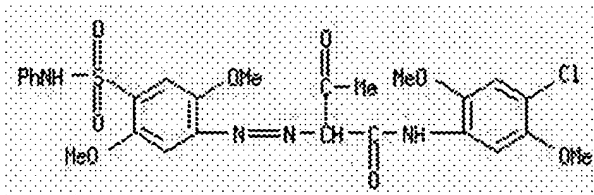
CI COM

LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, IFICDB, IFIPAT,
IFIUDB, MSDS-OHS, PIRA, RTECS*, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

116 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

116 REFERENCES IN FILE CAPLUS (1907 TO DATE)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.87	81.48
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

FILE 'STNGUIDE' ENTERED AT 14:52:37 ON 08 JUL 2005

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jul 1, 2005 (20050701/UP).

=> fil reg; e pigment yellow 12/cn

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.18	81.66
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

STN Columbus

CA SUBSCRIBER PRICE

0.00

-0.68

FILE 'REGISTRY' ENTERED AT 14:54:41 ON 08 JUL 2005
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STRUCTURE FILE UPDATES: 7 JUL 2005 HIGHEST RN 854122-82-0
DICTIONARY FILE UPDATES: 7 JUL 2005 HIGHEST RN 854122-82-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*
*****
```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
E1      1      PIGMENT YELLOW 118/CN
E2      1      PIGMENT YELLOW 119/CN
E3      1 --> PIGMENT YELLOW 12/CN
E4      1      PIGMENT YELLOW 120/CN
E5      1      PIGMENT YELLOW 122/CN
E6      1      PIGMENT YELLOW 123/CN
E7      1      PIGMENT YELLOW 126/CN
E8      1      PIGMENT YELLOW 127/CN
E9      1      PIGMENT YELLOW 128/CN
E10     1      PIGMENT YELLOW 129/CN
E11     1      PIGMENT YELLOW 12Z/CN
E12     1      PIGMENT YELLOW 13/CN
```

```
=> s e3; d; fil stnguide
L16      1 "PIGMENT YELLOW 12"/CN
```

```
L16 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 6358-85-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN Butanamide, 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[3-
   oxo-N-phenyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetoacetanilide, 2,2'-[(3,3'-dichloro-4,4'-biphenylene)bis(azo)]bis- (6CI)
```

STN Columbus

CN C.I. Pigment Yellow 12 (7CI, 8CI)

OTHER NAMES:

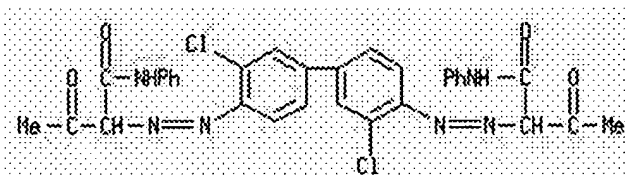
CN Amazon Yellow X 2485
 CN Benzidine Lacquer Yellow G
 CN Benzidine Yellow
 CN Benzidine Yellow 1178
 CN Benzidine Yellow 1316
 CN Benzidine Yellow 45-2650
 CN Benzidine Yellow 45-2680
 CN Benzidine Yellow 45-2685
 CN Benzidine Yellow AAA
 CN Benzidine Yellow E
 CN Benzidine Yellow G
 CN Benzidine Yellow GF
 CN Benzidine Yellow GT
 CN Benzidine Yellow GTR
 CN Benzidine Yellow HG
 CN Benzidine Yellow HG-Plv
 CN Benzidine Yellow Toner
 CN Benzidine Yellow Toner YA 8081
 CN Benzidine Yellow Toner YT 378
 CN Benzidine Yellow YB 5722
 CN Benzyl Yellow G
 CN Bis(acetyl-N-phenylcarbonylmethyl)-4,4'-disazo-3,3'-dichlorobiphenyl
 CN Brilliant Yellow Slurry
 CN C.I. 21090
 CN Carnelio Yellow GX
 CN Dainichi Benzidine Yellow G
 CN Dainichi Benzidine Yellow GRT
 CN Dainichi Benzidine Yellow GT
 CN Dainichi Benzidine Yellow GY
 CN Dainichi Benzidine Yellow GYT
 CN Daltolite Fast Yellow GT
 CN Diarylide Yellow
 CN Diarylide Yellow AAA
 CN Diarylide Yellow AAMX
 CN Diarylide Yellow YT 553D
 CN Disazo Yellow
 CN Eljon Yellow BG
 CN EP 500
 CN Graphtol Yellow A-HG
 CN Hancock Yellow 10010
 CN Helio Yellow GW
 CN Helio Yellow GWN
 CN Irgalite Yellow BO
 CN Irgalite Yellow BST
 CN Irgalite Yellow BTR
 CN Isol Benzidine Yellow G
 CN Isol Benzidine Yellow G 2537
 CN Isol Benzidine Yellow G Special
 CN Pigment Yellow 12

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
 DISPLAY

AR 15541-56-7
 FS 3D CONCORD
 DR 127546-11-6, 97794-07-5, 142583-27-5, 82197-93-1, 82249-35-2
 MF C32 H26 Cl2 N6 O4
 CI COM
 LC STN Files: ANABSTR, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS,
 CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSChem, CSNB, HSDB*, IFICDB,
 IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*,
 TOXCENTER, USPAT2, USPATFULL

STN Columbus

(*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

746 REFERENCES IN FILE CA (1907 TO DATE)
 22 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 747 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 18 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.87	88.53
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

FILE 'STNGUIDE' ENTERED AT 14:54:50 ON 08 JUL 2005
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FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Jul 1, 2005 (20050701/UP).

=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.48	89.01
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.68

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 14:59:30 ON 08 JUL 2005

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'STNGUIDE' AT 14:59:57 ON 08 JUL 2005
 FILE 'STNGUIDE' ENTERED AT 14:59:57 ON 08 JUL 2005
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 AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.48	89.01
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL

STN Columbus

CA SUBSCRIBER PRICE

ENTRY
0.00

SESSION
-0.68

=>

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	((("2004202952") or ("2004202951") or ("2004202950") or ("2002025184") or ("2001023048") or ("5047307"))). PN.	US-PGPUB; USPAT	OR	OFF	2005/07/08 13:58
L2	6	((("20040202952") or ("20040202951") or ("20040202950") or ("20020025184") or ("20010023048") or ("5047307"))). PN.	US-PGPUB; USPAT	OR	OFF	2005/07/08 14:05
L3	0	l2 and (masterbatch or (master batch) or presscake)	US-PGPUB; USPAT	ADJ	ON	2005/07/08 14:10
L4	0	masazuki-o\$.in.	US-PGPUB; USPAT	ADJ	ON	2005/07/08 14:07
L5	1	masazumi-o\$.in.	US-PGPUB; USPAT	ADJ	ON	2005/07/08 14:07
L6	251	oda-m\$.in.	US-PGPUB; USPAT	ADJ	ON	2005/07/08 14:07
L7	10	toner and l6	US-PGPUB; USPAT	ADJ	ON	2005/07/08 14:08
L8	52	toner and kondo-m\$.in.	US-PGPUB; USPAT	ADJ	ON	2005/07/08 14:10
L9	32	l8 and yellow	US-PGPUB; USPAT	ADJ	ON	2005/07/08 14:10
L10	2	l8 and (masterbatch or (master batch) or presscake)	US-PGPUB; USPAT	ADJ	ON	2005/07/08 14:42
L11	22	(pigment yellow "74") same (masterbatch or (master batch) or presscake)	US-PGPUB; USPAT	ADJ	ON	2005/07/08 14:43
L12	4	l11 and toner	US-PGPUB; USPAT	ADJ	ON	2005/07/08 14:43
L13	75	(pigment yellow) same (masterbatch or (master batch) or presscake)	US-PGPUB; USPAT	ADJ	ON	2005/07/08 14:43
L14	20	l13 and toner not l12	US-PGPUB; USPAT	ADJ	ON	2005/07/08 14:43